DT06 Rec'd\_PCT/PTO CE PATENT AND TREDEMARK OFFICE U.S. DEPARTMENT OF CO NEY'S DOCKET NUMBER 01013.0015.PCUS00 TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) U.S. APPLICATION NO. (if known) **CONCERNING A FILING UNDER 35 U.S.C. 371** 10/048,094 INTERNATIONAL FILING DATE INTERNATIONAL APPLICATION NO. PRIORITY DATE CLAIMED PCT/EP00/07149 26 July 2000 29 July 1999 TITLE OF INVENTION Method for power and time optimization of the Travel Mode in a Vehicle/Train APPLICANT(S) FOR DO/EO/US Rudiger Franke; Peter Terwiesch; Markus Meyer; Karl-Herman Ketteler (inventors) Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. The US has been elected by the expiration of 19 months from the priority date (Article 31). A copy of the International Application as filed (35 U.S.C. 371(c)(2)) is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. b. is not required, as the application was filed in the United States Receiving Office (RO/US An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). 6. is attached hereto. has been previously submitted under 35 U.S.C. 154(d)(4).  $\Box$ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 8. An Oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. An English language translation of the annexes of the International Preliminary Examination report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 11. CBR 3.28 and 3.31 is An assignment document for recording. A separate cover sheet in comp 12. included. 13. A FIRST preliminary amendment. A SECOND or SUBSEQUENT preliminary amendment. 14. 15. 🔲 A substitute specification.

A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 -

A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

A second copy of the published international application under 35 U.S.C. 154(d)(4).

A change of power of attorney and/or address letter.

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Other items or information.

U.S. APPLICATION NO	. (if known, see FR 1.5)	INTERNATIONAL	TERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NO.			
10/048,094	094 PCT/EP00/07149		7149	01013.0015.PCUS00				
21.  The following fees are submitted:					CULATIONS	PTO US	E ONLY	
BASIC NATIONAL FEE (37 CFR 1.492 (A) (1) – (5))								
Neither international preliminary examination fee (37 CFR 1.482)						•		
nor international search fee (37 CFR 1.445(a)(2) paid to USPTO and International Search Report not prepared by the EPO or JPO							•	
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO								
International preliminary examination fee (37 CFR 1.482) not paid to USPTO 710.00 but international search fee (37 CFR 1.445(a)(2) paid to USPTO								
International preliminary examination fee (37 CFR 1.482) paid to USPTO 690.00 but all claims did not satisfy provisions of PCT Article 33 (1)-(4)								
International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims satisfied provisions of PCT Article 33 (1)-(4)								
ENTER APPROPRIATE BASIC FEE AMOUNT =			T =	\$				
Surcharge of \$130.00 for furnishing the Oath or declaration later than 20 30 months from the earliest claimed priority date (37 CFR 1.492(e)).								
CLAIMS	***************************************	NUMBER EXTRA	RATE	\$				
Total claims	- 20 =		X \$ 18.00	\$				
Independent claims	- 3 = .		X \$ 80.00	\$		-		
MULTIPLE DEPEND	DENT CLAIM(S) (if appli		X \$270.00	\$				
TOTAL OF ABOVE CALCULATIONS =								
Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.					) Chne	D€	而	
SUBTOTAL =						C	()	
Processing fee of \$130.00 for furnishing the English translation later than 20 months from the earliest claimed priority date (37 CFR 1.492(f)).					<u> </u>	0 9		
TOTAL NATIONAL FEE =						200	Ti	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +					)	2	<u>'</u>	
		TOTAL FEI	ES ENCLOSED =	\$40	)	5		
					Amount to be refunded:	\$		
*					charged:	\$40		
a. A check in	the amount of \$	to cover the above	fees is enclosed.					
b Please charge my Deposit Account No. 08-3038 referencing the docket number shown above in the amount of \$40 to cover the above fees.								
c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any								
overpayment to Deposit Account No. 08-3038 referencing docket number shown above. A duplicate copy of this sheet is enclosed.								
NOTE: Where an CFR 1.137	appropriate time lim (a) or (b)) must be fil	nit under 37 CFR 1 led and granted to 1	.494 or 1.495 has no	ot bee on to p	n met, a peti pending statu	tion to r s.	evive (37	
SEND ALL CORRI	ESPONDENCE TO:			-1	Po			
•	Simon Arnold & W	hite SIG	SIGNATURE: Jana 1 Gree					
CityPoin		NAI	ME: <u>David P.</u>	Owe	<u>:n</u>			
1 Ropem London I	aker Street	REC	GISTRATION NUMB	er: <u>4</u>	3,344			
United Kingdom TELEPHONE NUMBER								

Form PTO-1595 RECORDATION FO	ORM COVER SHEET U.S. DEPARTMENT OF COMMERCE
(Rev. 03/01) PATEN	TS ONLY U.S. Patent and Trademark Office
OMB No. 0651-0027 (exp. 5/31/2002)	
To the Honorable Commissioner of Patents and Trademarks. Please	record the attached original documents or copy thereof.
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Rudiger Franke Peter Terwiesch	Name: Bombardier Transportation GmbH
Markus Meyer	Street Address: Saatwinkler Damm 43
Karl-Hermann Ketteler	City: Berlin
Additional name(s) of conveying party(ies) attached?  yes no	State: Zip Code: 13627 Country: Germany
3. Nature of Conveyance:	
	Additional name(s) & address(es) attached?  yes  no
Execution Date(s): 17 May 2002; 20 May 2002; 28 May 2002; 18 May 2002	
A. Patent Application No(s). 10/048,094 Additional numbers attack	B. Patent No(s).
5. Name & address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved
David P. Owen	7. Total fee (37 C.F.R. § 3.41)\$ 40.00
HOWREY SIMON ARNOLD & WHITE	
CityPoint One Ropemaker Street	☐ Enclosed ☐ Authorized to be charged to Deposit Account
London EC2Y 9HS	Authorized to be charged to Deposit recount
United Kingdom	8. Deposit Account Number: 08-3038
Tel: 011 44 20 7628 3303	6. Deposit Account Number: 00-3030
DO NOT US	E THIS SPACE
9. Statement and signature	
	nformation is true and correct and any attached copy is a
true copy of the original document.	ue 29 July 2002
David P. Owen	29 July 1002
Name of Person Signing Signature	Date V
	ber of pages including cover sheet, attachments and document h required cover sheet information to:
Commissioner of Patents and	i Trademarks, Box Assignments n, D.C. 20231

08/13/2002 ATRAN1 00000092 083038

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ASSIGNMENT
In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to Bombardier Transportation GmbH, Saatwinkler Damm 43, D-13627 Berlin, Germany (the Assignee) his/her entire right, title and interest check applicable box(es):  Solution of the undersigned hereby sell(s) and interest check applicable box(es):  And throughout the world,
in the invention(s) known as Method for power optimization of the Travel Mode in a Vehicle/Train for which application(s) for patent in the United States of America has (have) been executed by the undersigned on (also known as United States Application No. 10/048,094 filed on 24 January 2002), in any and all applications thereon, in any and all Letters Patent(s) therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Letters Patent(s) and divisional and continuation applications thereof, to the full end of the term or terms for which such Letters Patent(s) issue, including all claims, if any, that may have arisen for infringement prior to the date of this assignment, such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.
The undersigned agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
The undersigned agree(s) to execute all papers necessary in connection with any interference that may be declared concerning the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
The undersigned hereby represents that the undersigned has full right to convey the entire interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict therewith.
IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).  Signature:
Rudiger Franke
Signature: Date:  Peter Terwiesch
reter i erwiesch

Signature: \_\_\_\_\_ Date: \_\_\_\_\_\_

Karl-Hermann Ketteler

Signature: \_\_\_\_

ASSIGNMENT
In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to Bombardier Transportation GmbH, Saatwinkler Damm 43, D-13627 Berlin, Germany (the Assignee) his/her entire right, title and interest check applicable box(es):  Solution of the United States of America (as defined in 35 U.S.C. § 100), and throughout the world,
in the invention(s) known as Method for power optimization of the Travel Mode in a Vehicle/Train for which application(s) for patent in the United States of America has (have) been executed by the undersigned on (also known as United States Application No. 10/048,094 filed on 24 January 2002), in any and all applications thereon, in any and all Letters Patent(s) therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Letters Patent(s) and divisional and continuation applications thereof, to the full end of the term or terms for which such Letters Patent(s) issue, including all claims, if any, that may have arisen for infringement prior to the date of this assignment, such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.
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IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).
Signature: Date:
Rudiger Franke
Signature: D. Tomies Date: 2002-05-20

Peter Terwiesch Signature: \_\_ \_ Date: \_ Markus Meyer \_\_\_\_\_ Date: \_ Signature: \_\_\_ Karl-Hermann Ketteler

ASSIGNMENT
In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to Bombardier Transportation GmbH, Saatwinkler Damm 43, D-13627 Berlin, Germany (the Assignee) his/her entire right, title and interest check applicable box(es):  Solution of the undersigned hereby sell(s) and interest check applicable box(es):  A possible box(es):
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IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).
Signature: Date: Date:
Signature: Date: Date:
Peter Terwiesch

Date:

Karl-Hermann Ketteler

Signature: \_\_

## ASSIGNMENT



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check applicable box(es):

☐ for the United States of America (as defined in 35 U.S.C. § 100),
☐ and throughout the world,

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Signature:

Rudiger Franke

Date:

Peter Terwiesch

Signature:

Markus Meyer

Signature:

Date:

Markus Meyer

Date:

Date:

Markus Meyer

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